

**IN THE UNITED STATES ELECTED/DESIGNATED OFFICE  
OF THE UNITED STATES PATENT AND TRADEMARK OFFICE  
UNDER THE PATENT COOPERATION TREATY**

5      Applicant(s):            Edgar Bolinth et al.  
Intnl. Appl. No.:            PCT/DE03/00830  
Intnl. Filing Date:          March 14, 2003  
Title:                        ADAPTIVE MODULATION AND OTHER EXTENSIONS  
                                  OF THE PHYSICAL LAYER IN MULTIPLE ACCESS  
10                             SYSTEMS  
Docket No.:                0112740-973

15                             Mail Stop PCT  
                                  Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PRELIMINARY AMENDMENT**

20      Sir:  
Please amend the above-identified International Application before entry  
into the National stage before the U.S. Patent and Trademark Office under 35  
U.S.C. §371 as follows:

25      **Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which  
begins on page 29 of this paper.

**Remarks** begin on page 33 of this paper.